

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX083120\
 Data File : VX018157.D
 Acq On : 31 Aug 2020 18:56
 Operator : JC/SP
 Sample : L3831-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20200827

Quant Time: Sep 01 05:34:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	446903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	737726	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	683913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	326701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	323797	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
35) Dibromofluoromethane	5.47	113	253416	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	8.70	98	894885	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
62) 4-Bromofluorobenzene	11.12	95	324429	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	

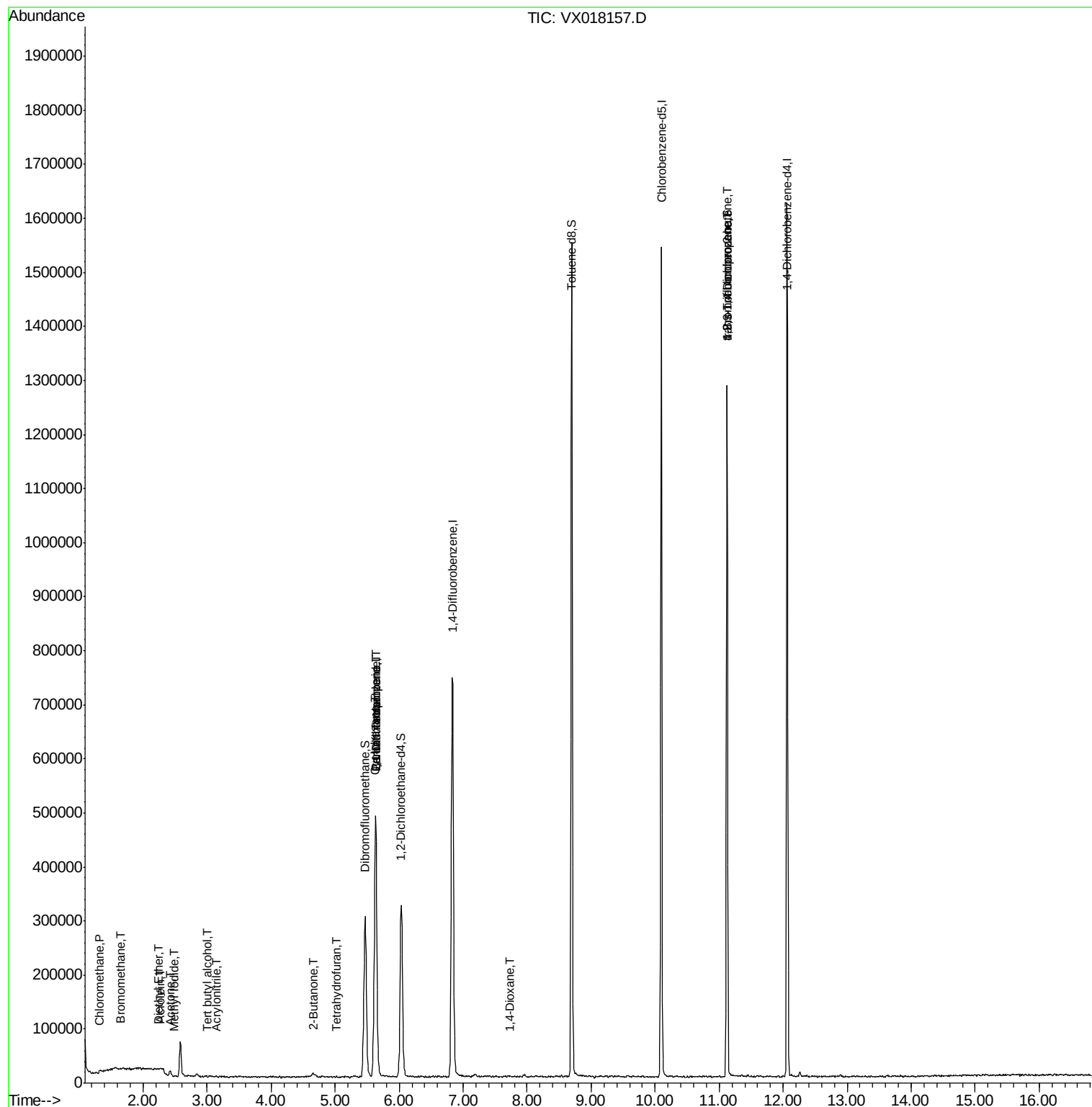
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2036	0.355	ug/l	97
5) Bromomethane	1.64	94	980	0.356	ug/l #	33
8) Diethyl Ether	2.25	74	627	0.237	ug/l	55
10) Methyl Iodide	2.48	142	44	5.295	ug/l #	38
11) Tert butyl alcohol	3.01	59	1382	1.146	ug/l #	88
13) Acrolein	2.28	56	699	1.397	ug/l #	81
15) Acrylonitrile	3.15	53	933	0.341	ug/l #	13
16) Acetone	2.42	43	10911	4.513	ug/l	100
20) Methylene Chloride	2.83	84	3229	Below Cal	#	67
25) 2-Butanone	4.67	43	1486	0.374	ug/l #	51
29) Tetrahydrofuran	5.01	42	619	0.245	ug/l	92
31) Cyclohexane	5.62	56	10538	1.419	ug/l #	34
36) 1,1-Dichloropropene	5.63	75	35426	5.206	ug/l #	51
38) Carbon Tetrachloride	5.63	117	46385	6.049	ug/l #	19
49) 1,4-Dioxane	7.73	88	178	1.546	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	164764	22.671	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	164764	61.231	ug/l #	12

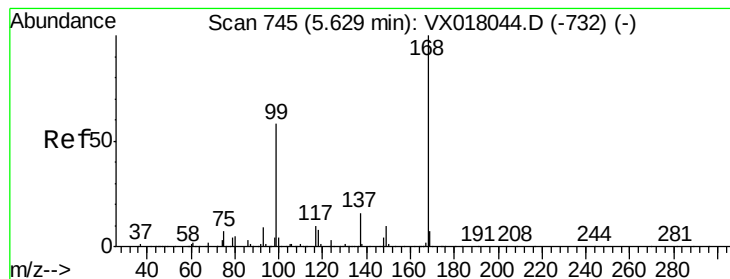
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX083120\
Data File : VX018157.D
Acq On : 31 Aug 2020 18:56
Operator : JC/SP
Sample : L3831-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20200827

Quant Time: Sep 01 05:34:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

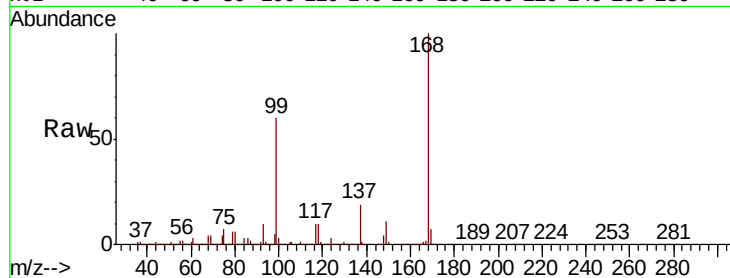
GR-OF-20200827

Tot Ion:168 Resp: 446903

Ion Ratio Lower Upper

168 100

99 59.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

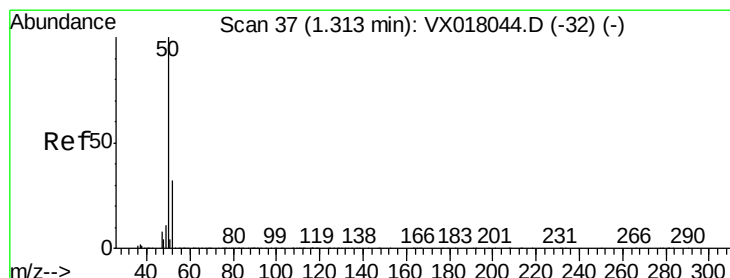
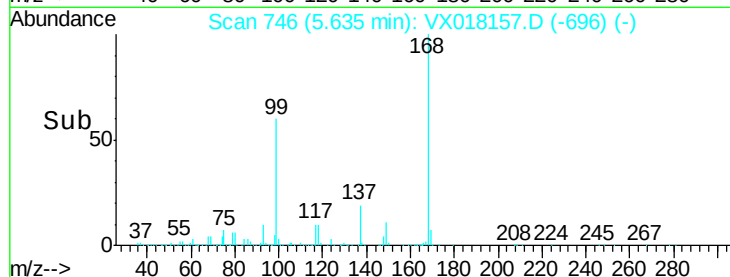
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.355 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX018157.D

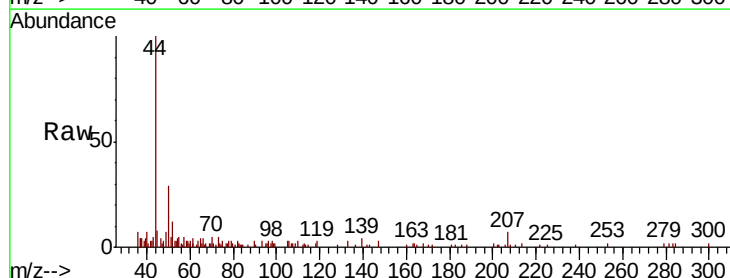
Acq: 31 Aug 2020 18:56

Tgt Ion: 50 Resp: 2036

Ion Ratio Lower Upper

50 100

52 33.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1500

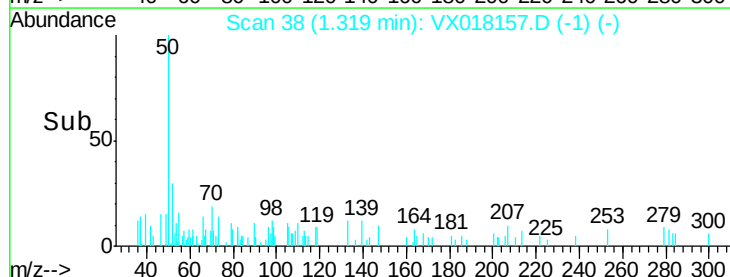
1000

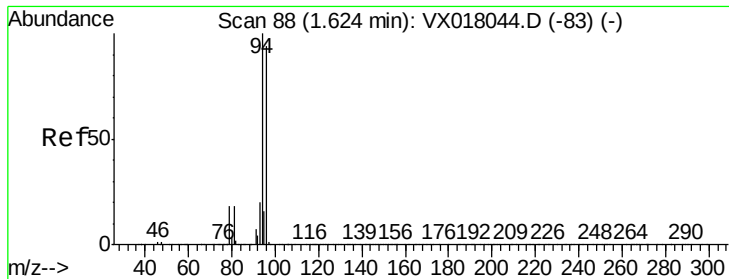
500

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.356 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_X

ClientSampled :

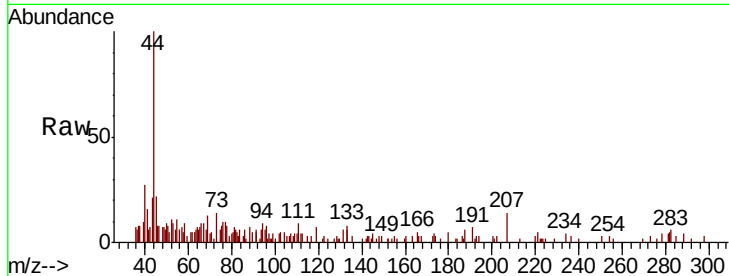
GR-OF-20200827

Tot Ion: 94 Resp: 980

Ion Ratio Lower Upper

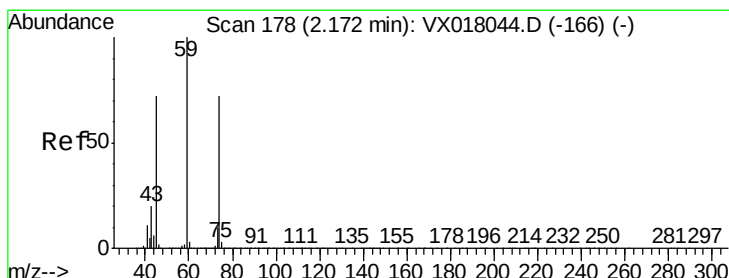
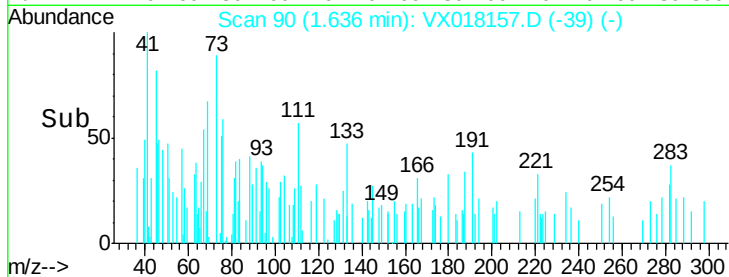
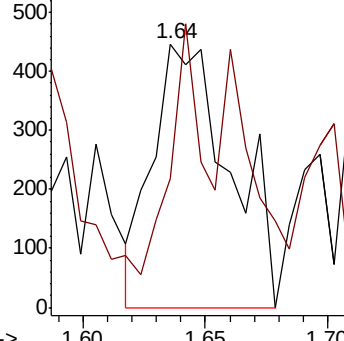
94 100

96 28.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.237 ug/l

RT: 2.25 min Scan# 191

Delta R.T. 0.08 min

Lab File: VX018157.D

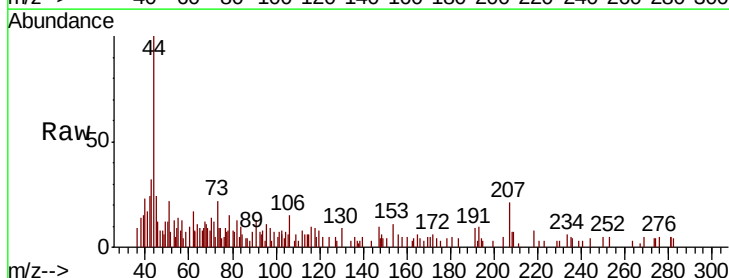
Acq: 31 Aug 2020 18:56

Tgt Ion: 74 Resp: 627

Ion Ratio Lower Upper

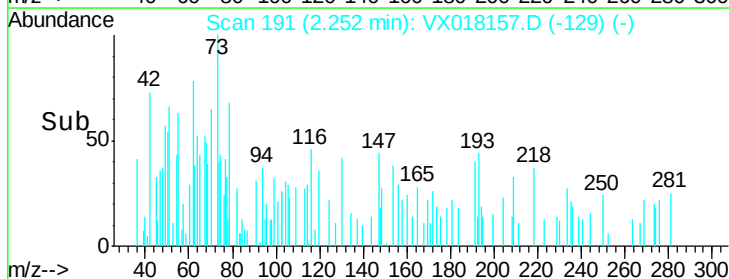
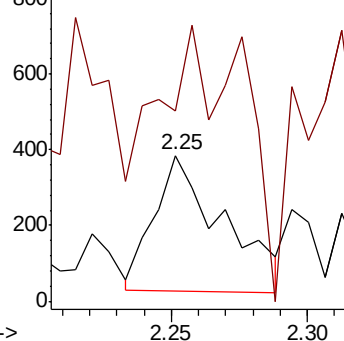
74 100

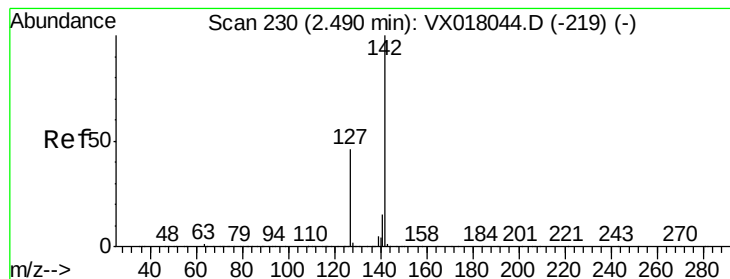
45 55.8 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 5.295 ug/l

RT: 2.48 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200827

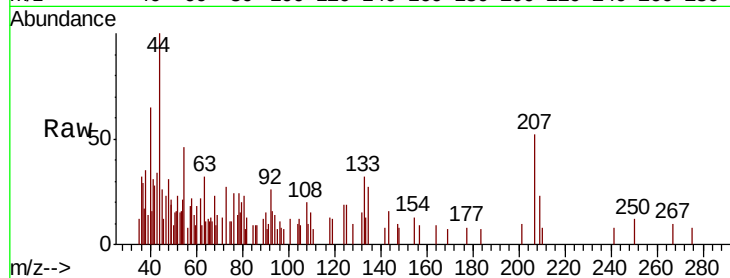
Tot Ion:142 Resp: 44

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

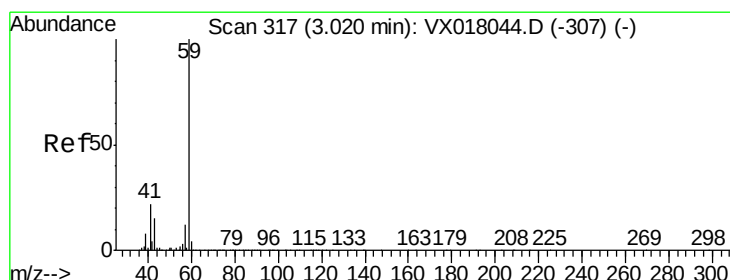
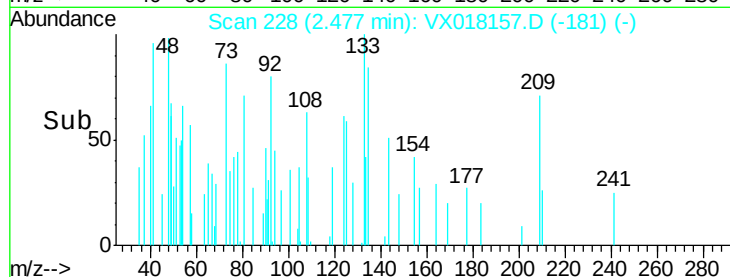
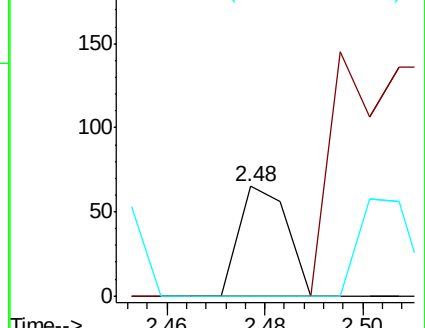
141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.146 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX018157.D

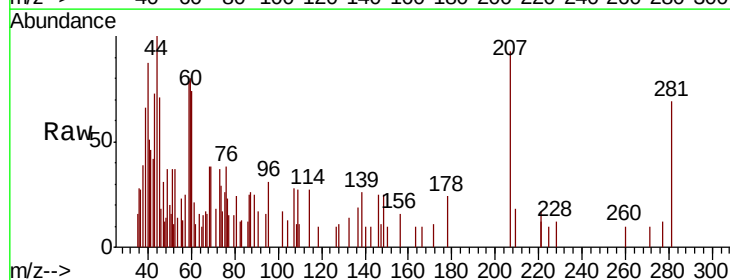
Acq: 31 Aug 2020 18:56

Tgt Ion: 59 Resp: 1382

Ion Ratio Lower Upper

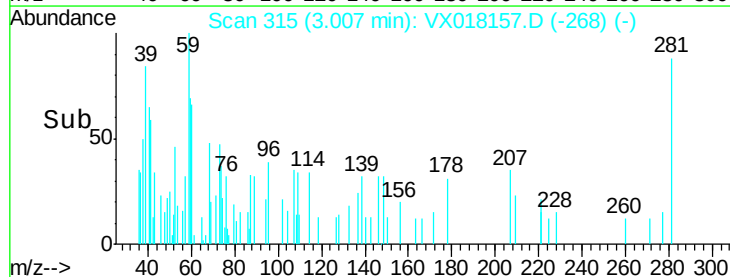
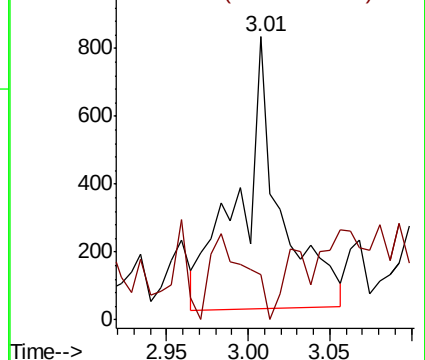
59 100

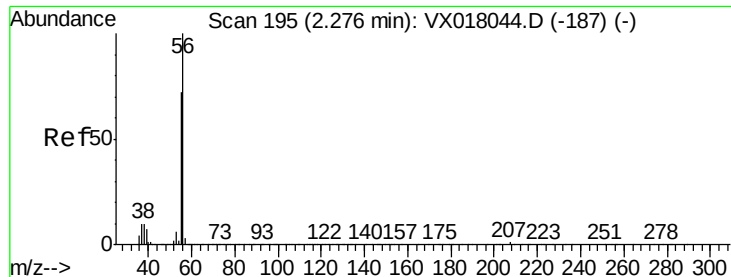
57 15.7 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.397 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

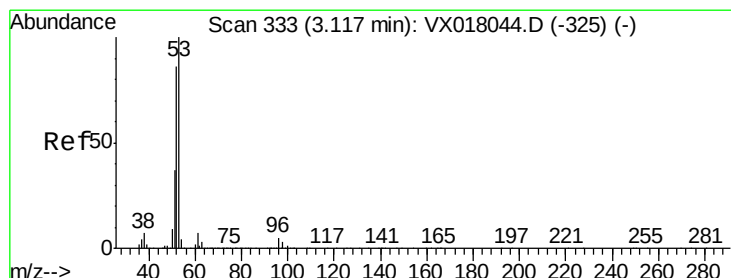
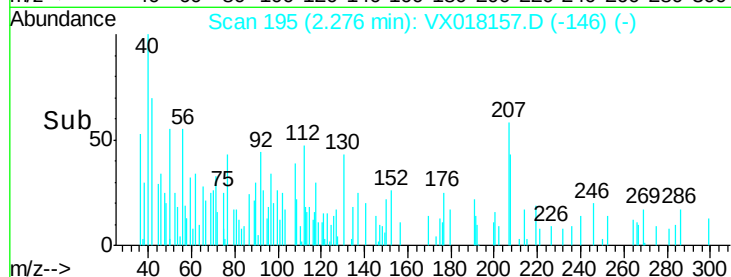
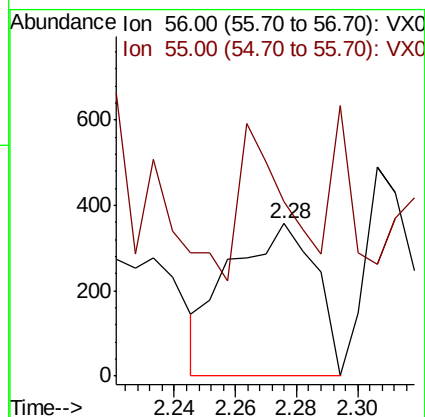
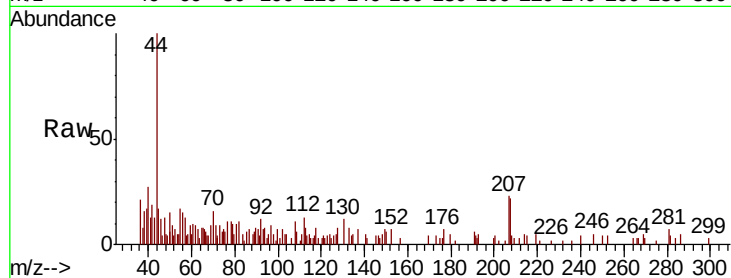
GR-OF-20200827

Tot Ion: 56 Resp: 699

Ion Ratio Lower Upper

56 100

55 55.4 57.0 85.6#



#15

Acrylonitrile

Concen: 0.341 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.03 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

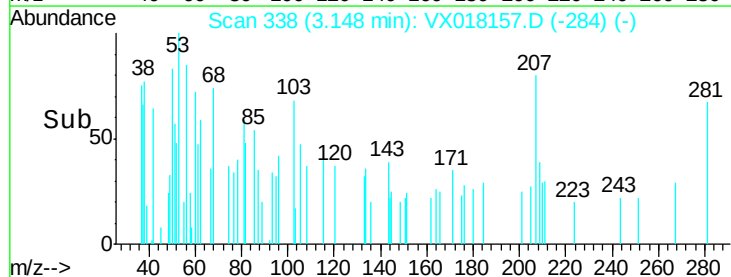
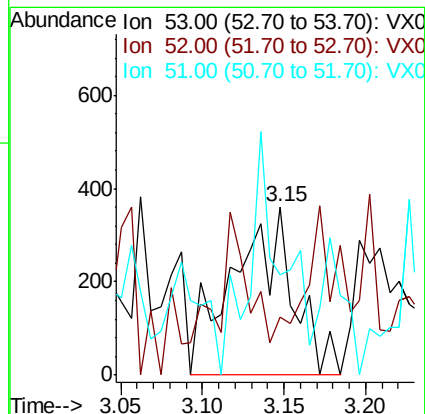
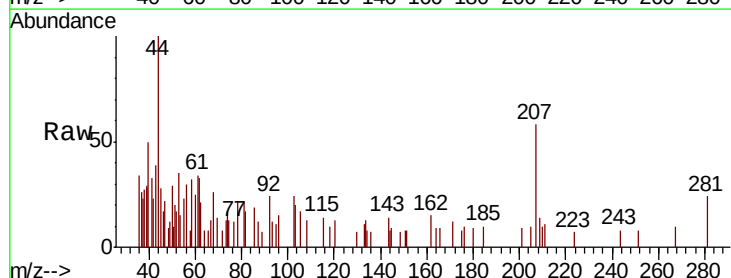
Tgt Ion: 53 Resp: 933

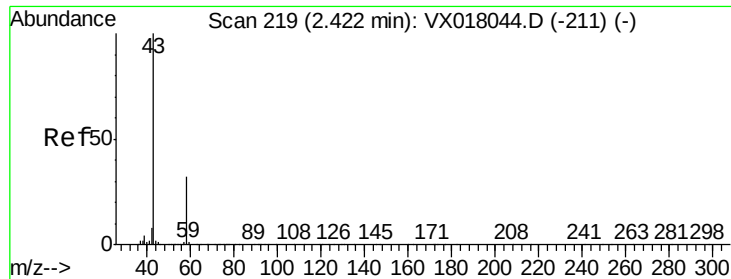
Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 80.2 28.7 43.1#

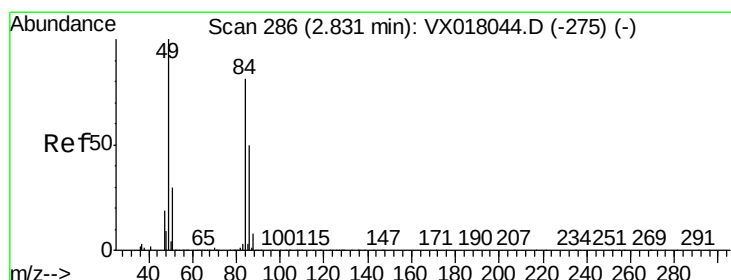
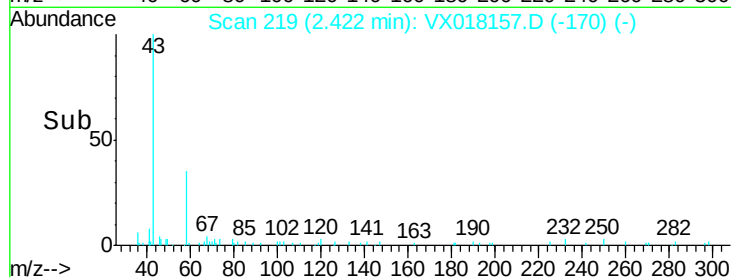
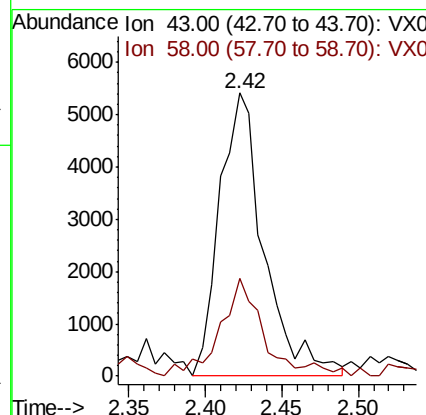
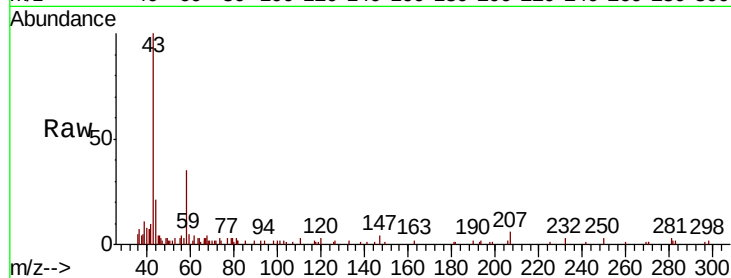




#16
Acetone
Concen: 4.513 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018157.D
Acq: 31 Aug 2020 18:56

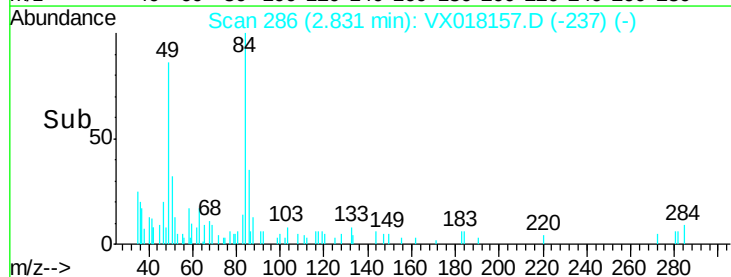
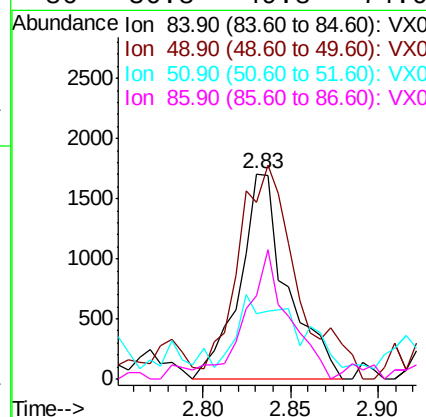
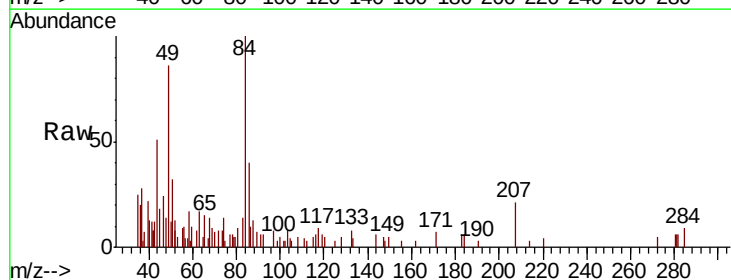
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20200827

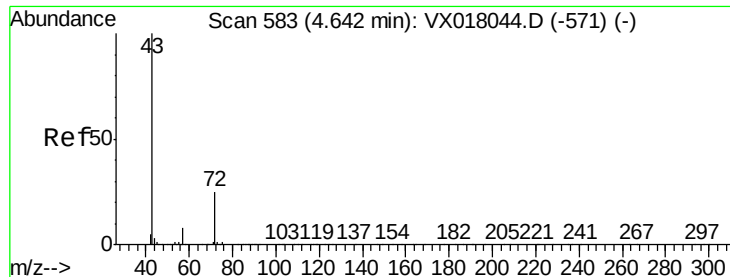
Tot Ion: 43 Resp: 10911
Ion Ratio Lower Upper
43 100
58 32.0 25.5 38.3



#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018157.D
Acq: 31 Aug 2020 18:56

Tgt Ion: 84 Resp: 3229
Ion Ratio Lower Upper
84 100
49 80.3 98.6 148.0#
51 26.2 29.6 44.4#
86 36.8 49.8 74.6#





#25

2-Butanone

Concen: 0.374 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.02 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

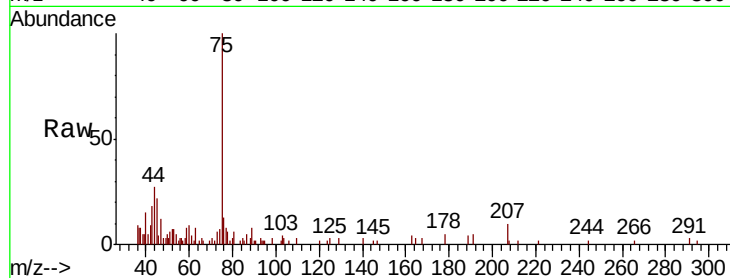
GR-OF-20200827

Tot Ion: 43 Resp: 1486

Ion Ratio Lower Upper

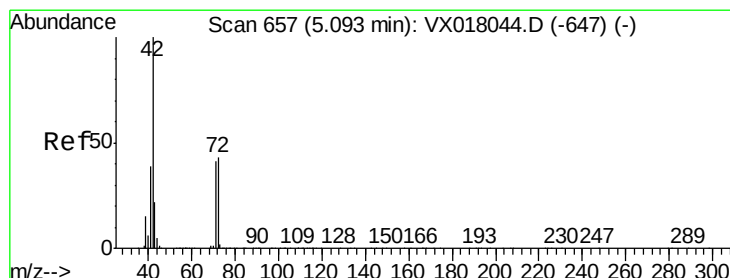
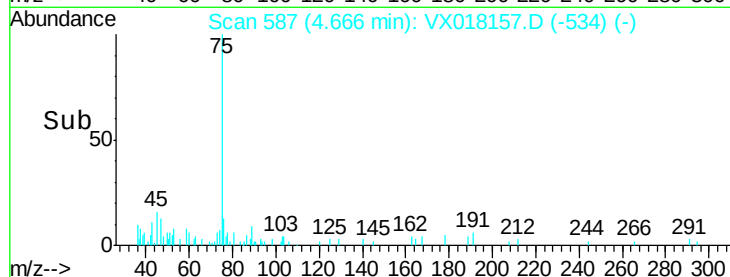
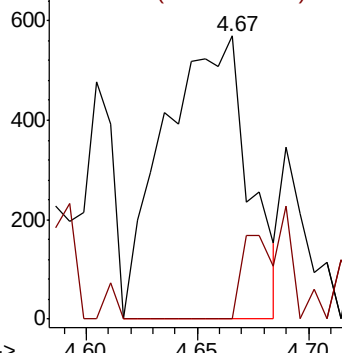
43 100

72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 5.01 min Scan# 644

Delta R.T. -0.08 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

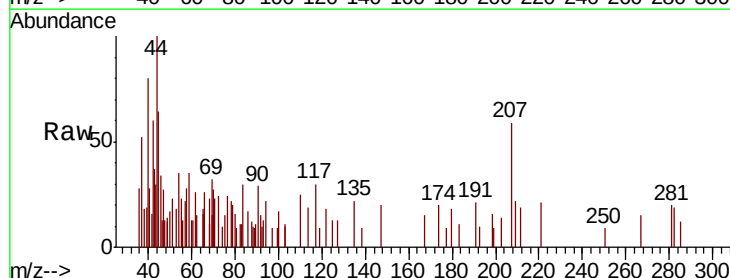
Tgt Ion: 42 Resp: 619

Ion Ratio Lower Upper

42 100

72 40.7 34.2 51.4

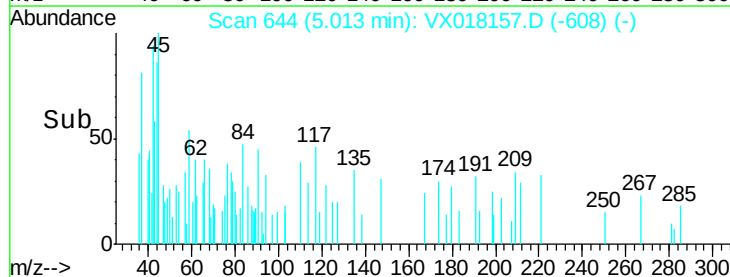
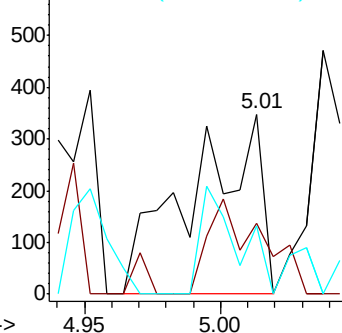
71 32.1 32.1 48.1

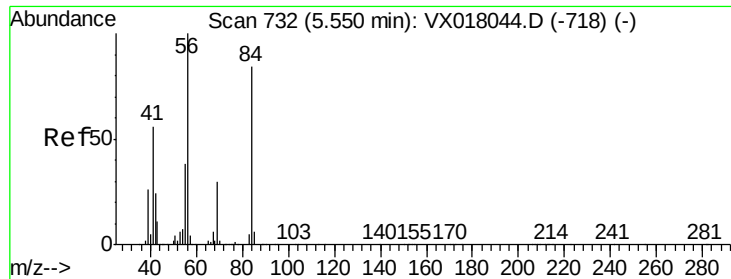


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

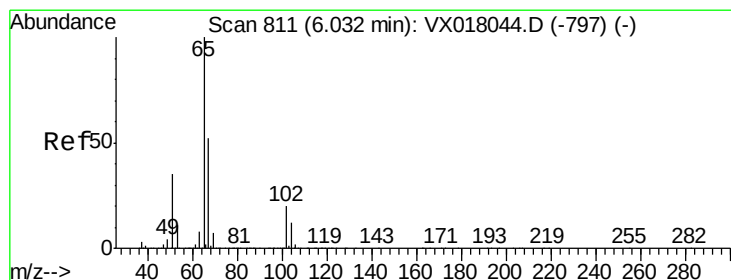
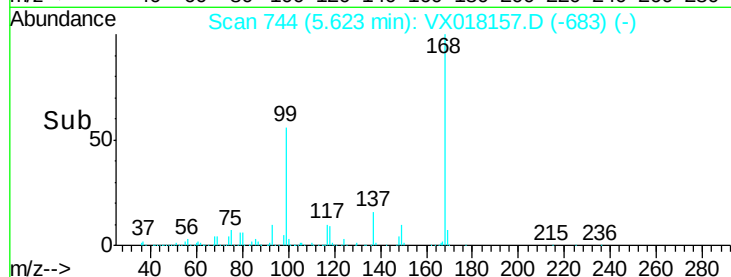
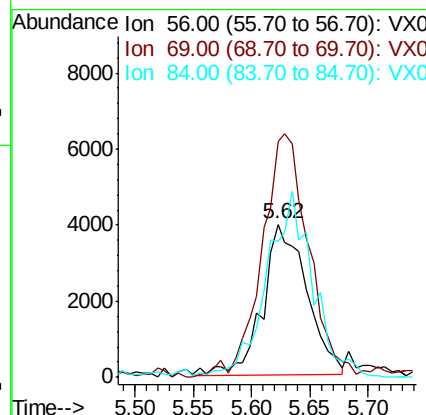
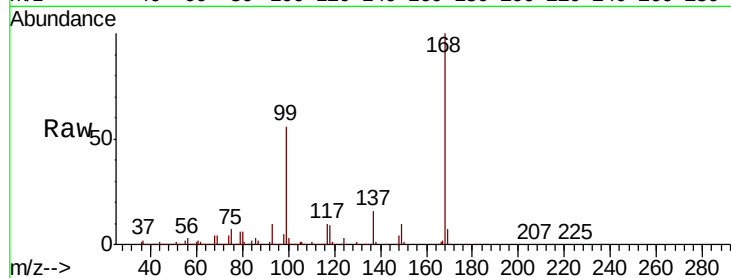




#31
Cyclohexane
Concen: 1.419 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX018157.D
Acq: 31 Aug 2020 18:56

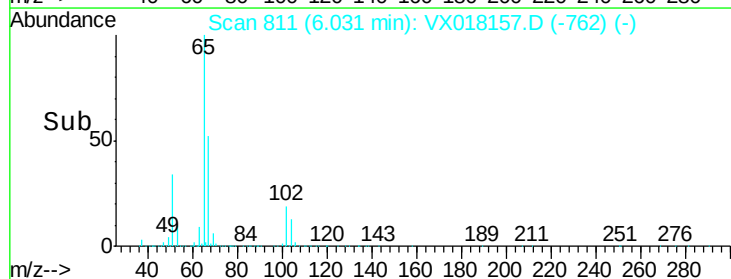
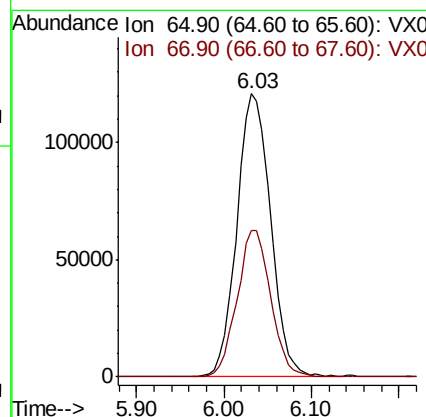
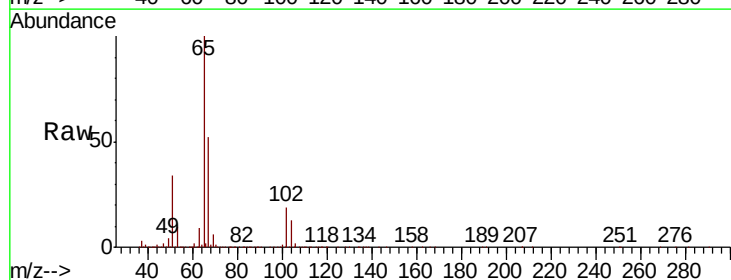
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20200827

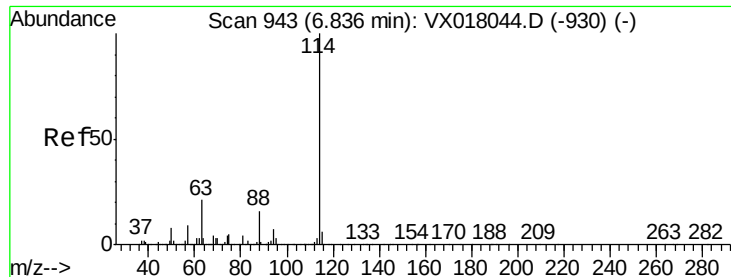
Tot Ion: 56 Resp: 10538
Ion Ratio Lower Upper
56 100
69 157.1 23.9 35.9#
84 89.0 67.0 100.4



#33
1,2-Dichloroethane-d4
Concen: 52.190 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018157.D
Acq: 31 Aug 2020 18:56

Tgt Ion: 65 Resp: 323797
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.8

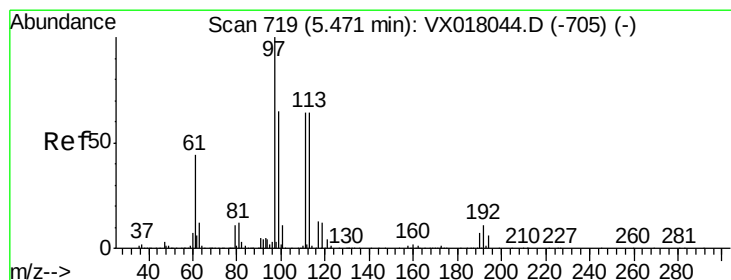
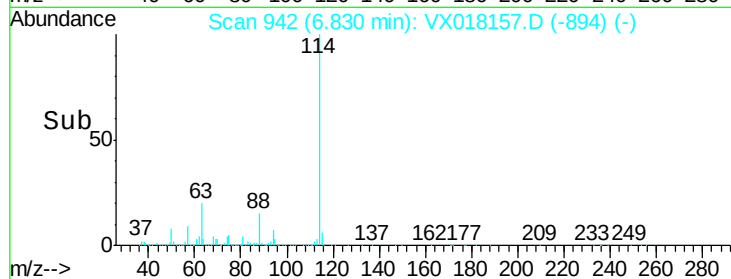
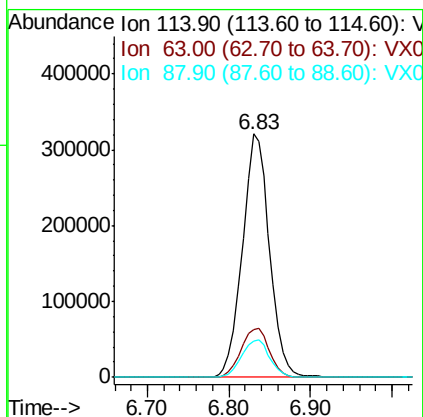
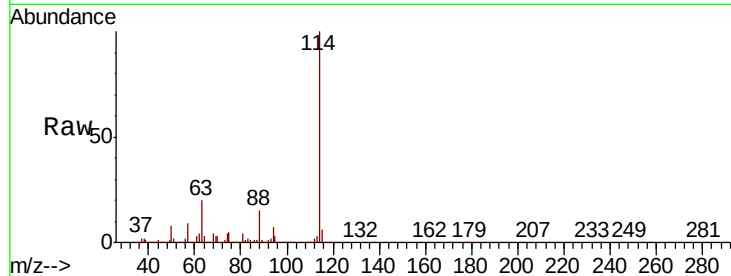




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018157.D
 Acq: 31 Aug 2020 18:56

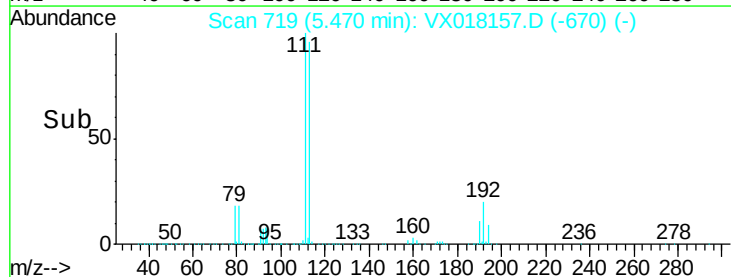
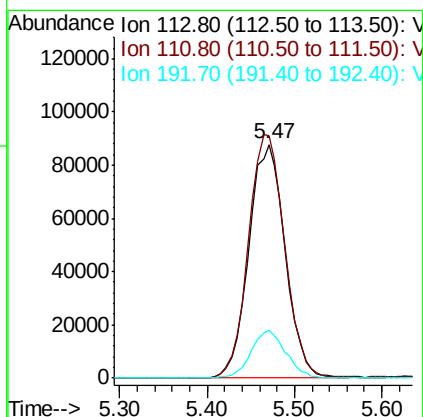
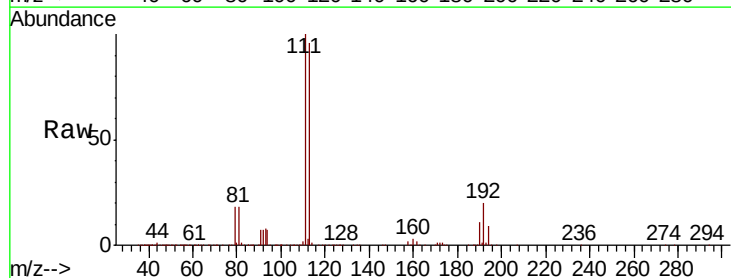
Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20200827

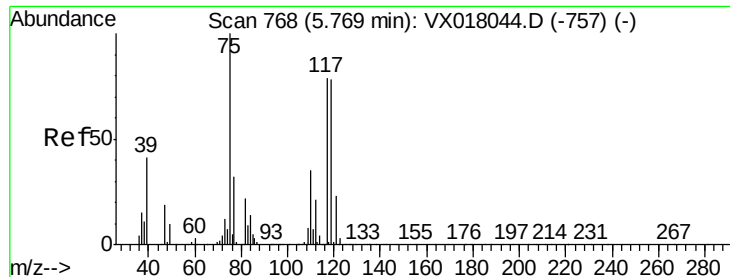
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	42.6
88	15.0	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 50.438 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018157.D
 Acq: 31 Aug 2020 18:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.6	122.4
192	19.6	15.8	23.8

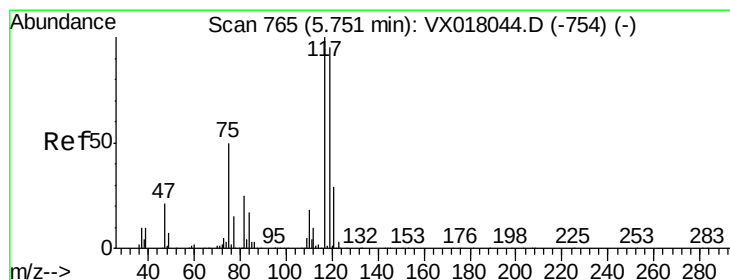
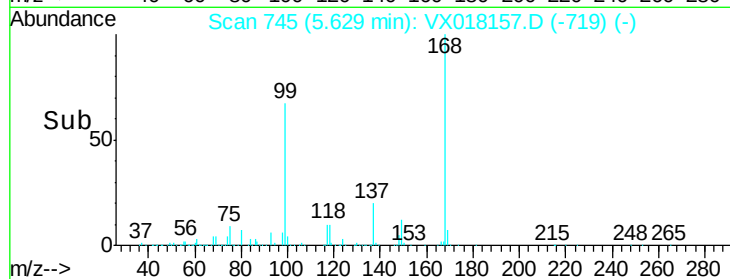
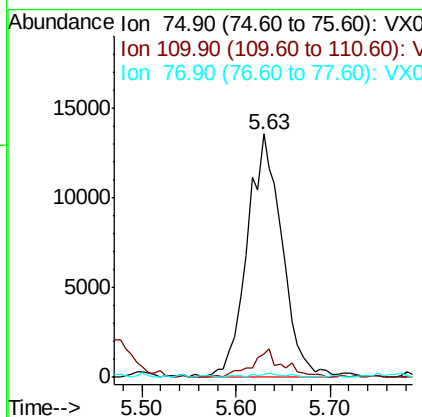
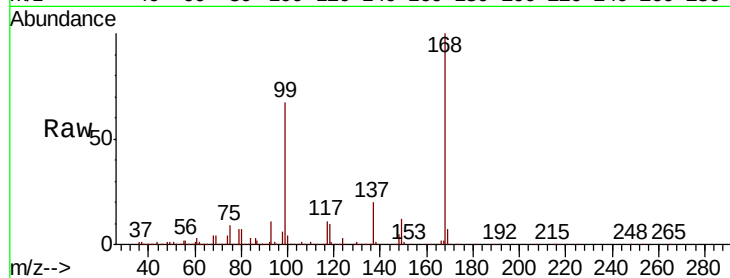




#36
 1,1-Dichloropropene
 Concen: 5.206 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018157.D
 Acq: 31 Aug 2020 18:56

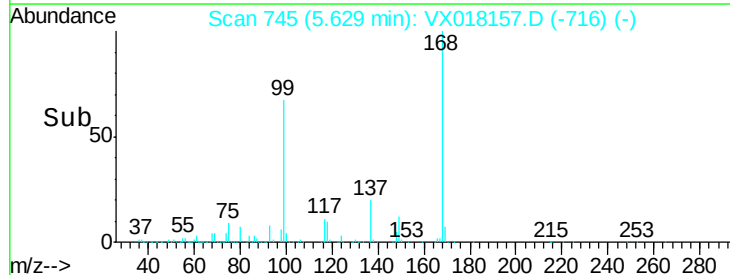
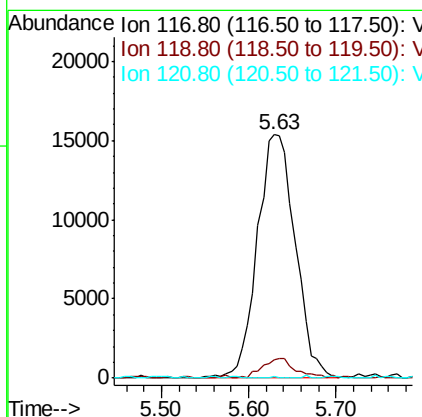
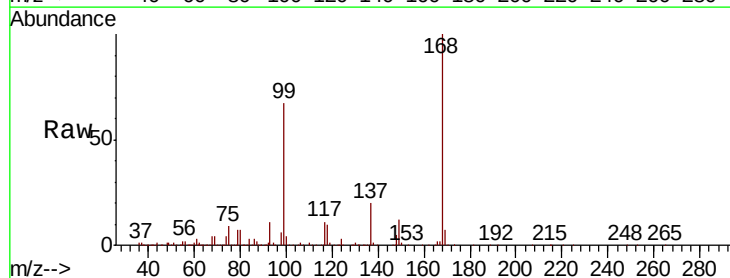
Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20200827

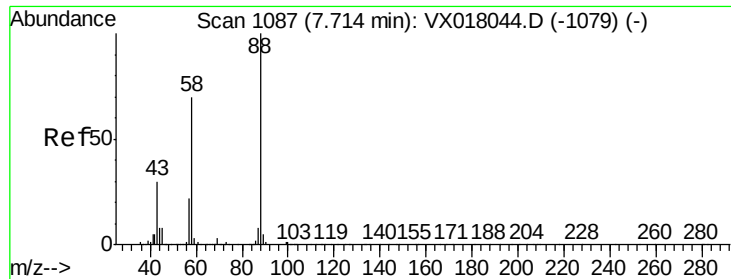
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.0	54.0#
77	0.9	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.049 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018157.D
 Acq: 31 Aug 2020 18:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	75.8	113.6#
121	0.4	23.4	35.0#





#49

1,4-Dioxane

Concen: 1.546 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200827

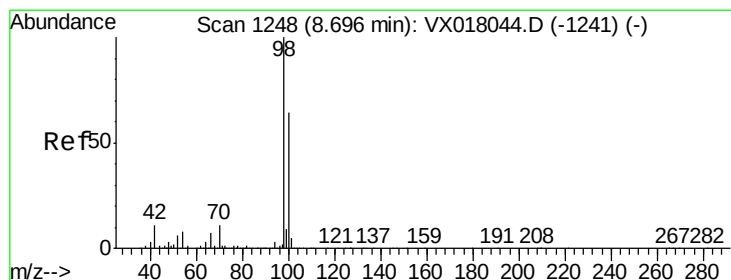
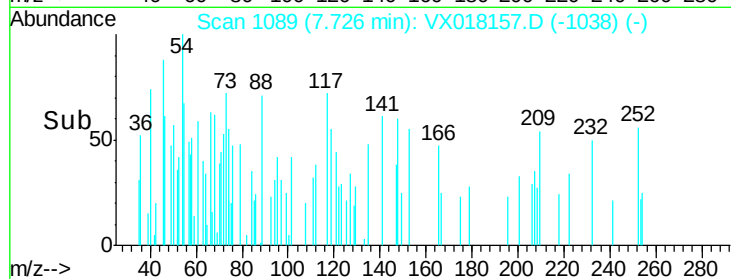
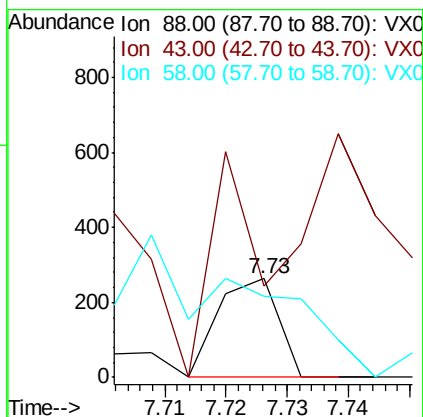
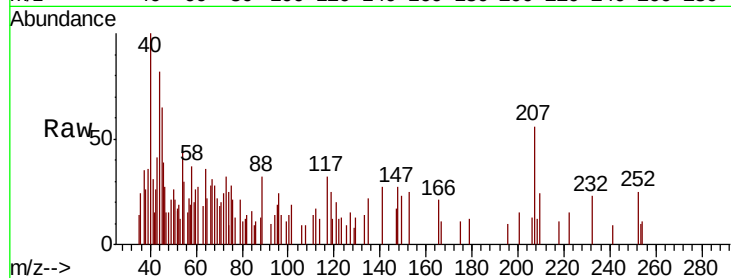
Tot Ion: 88 Resp: 178

Ion Ratio Lower Upper

88 100

43 534.8 27.4 41.0#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 47.821 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018157.D

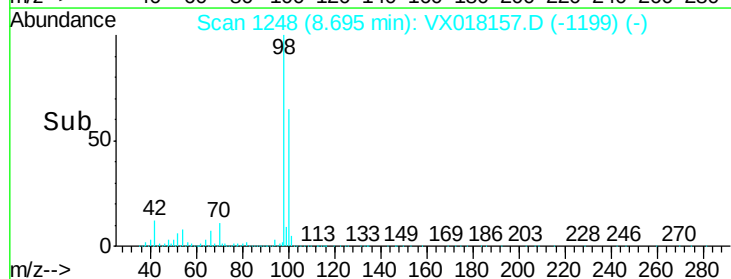
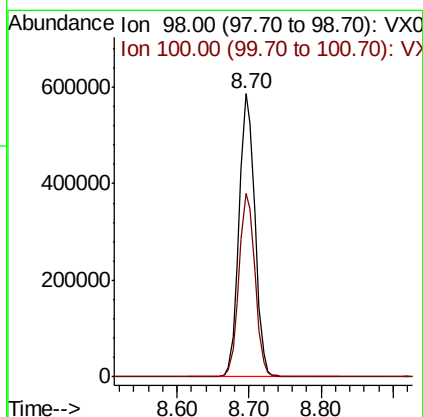
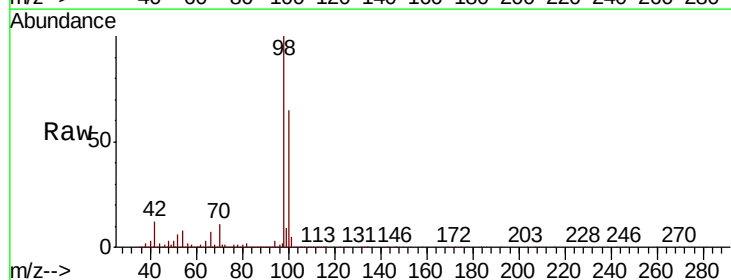
Acq: 31 Aug 2020 18:56

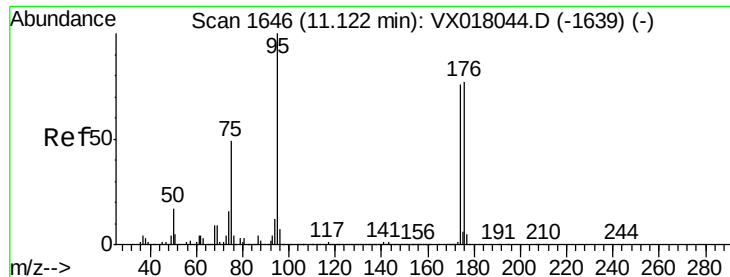
Tgt Ion: 98 Resp: 894885

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 44.065 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200827

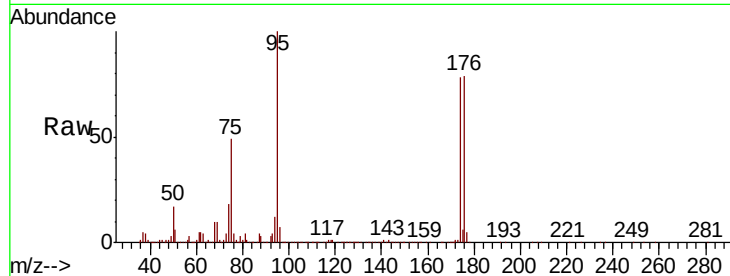
Tot Ion: 95 Resp: 324429

Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.2

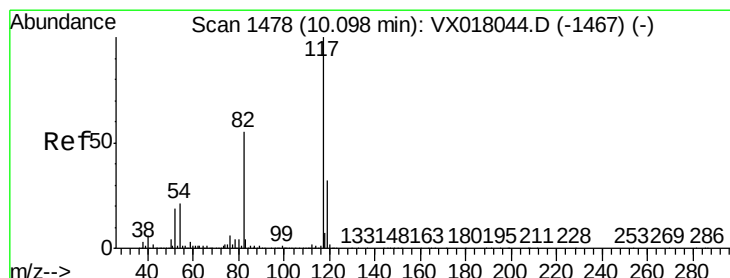
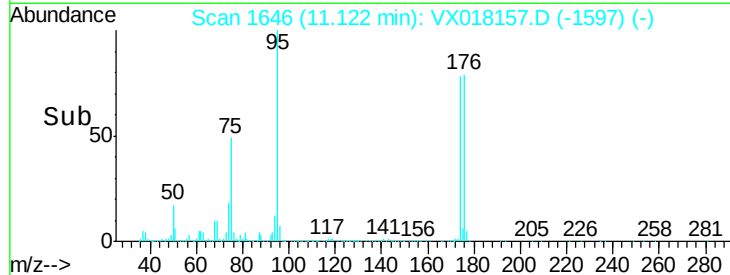
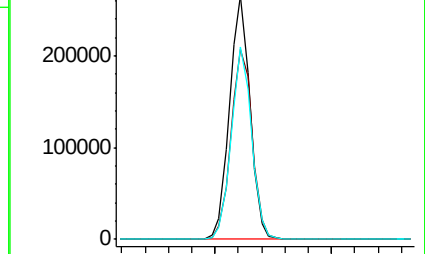
176 78.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018157.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018157.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018157.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

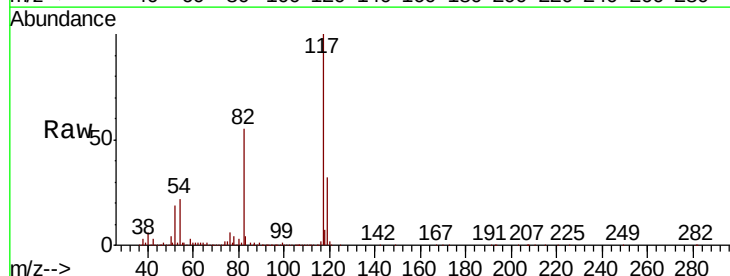
Tgt Ion: 117 Resp: 683913

Ion Ratio Lower Upper

117 100

82 55.5 44.2 66.2

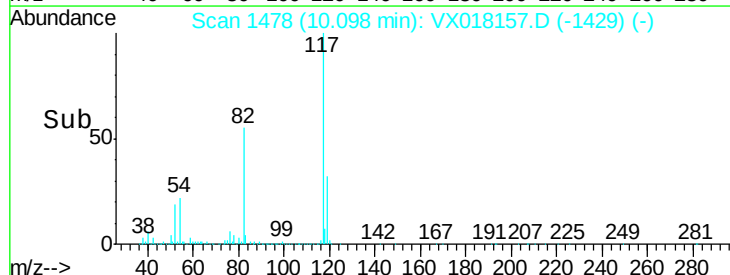
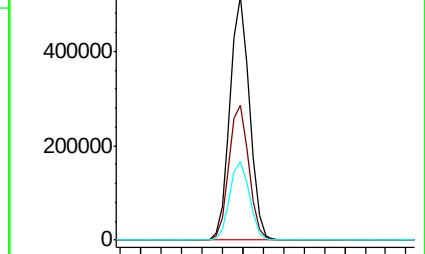
119 32.4 25.7 38.5

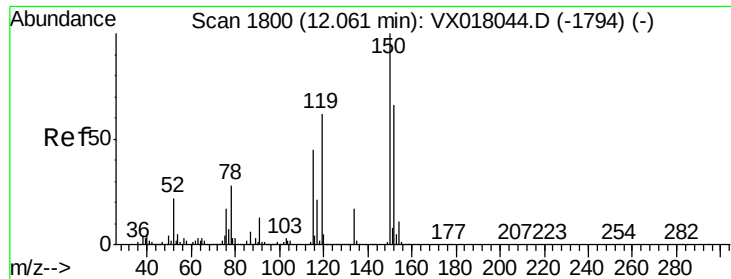


Abundance Ion 116.90 (116.60 to 117.60): VX018157.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018157.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018157.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200827

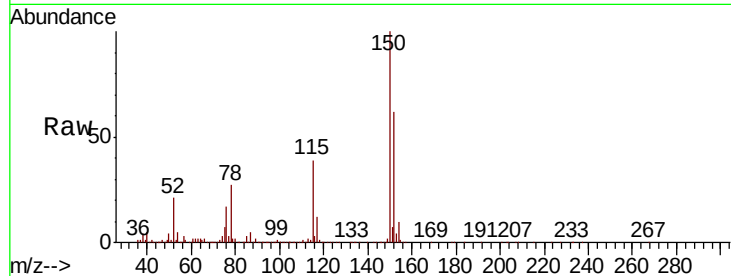
Tot Ion:152 Resp: 326701

Ion Ratio Lower Upper

152 100

115 61.2 41.5 124.5

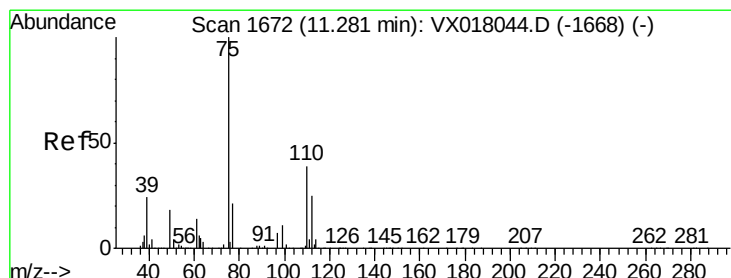
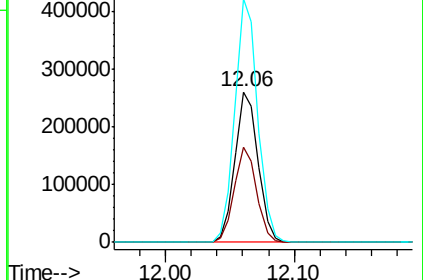
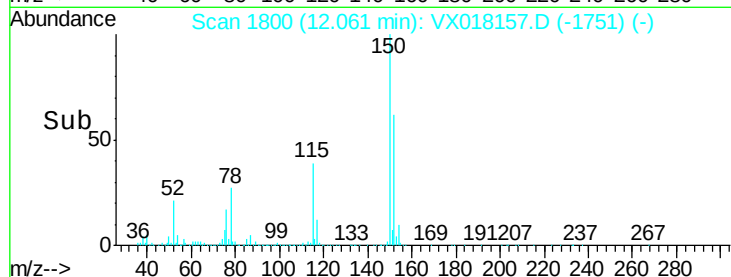
150 159.1 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.671 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018157.D

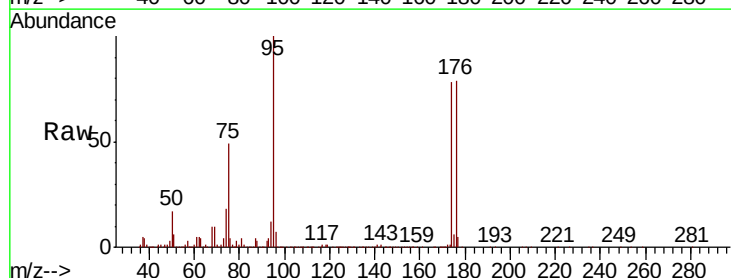
Acq: 31 Aug 2020 18:56

Tgt Ion: 75 Resp: 164764

Ion Ratio Lower Upper

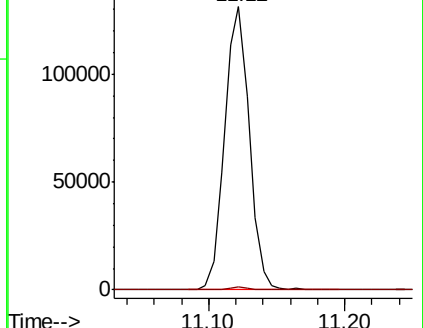
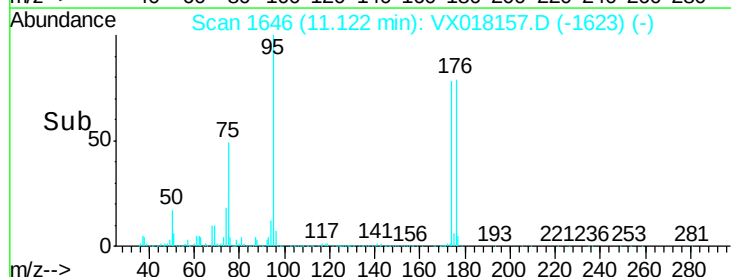
75 100

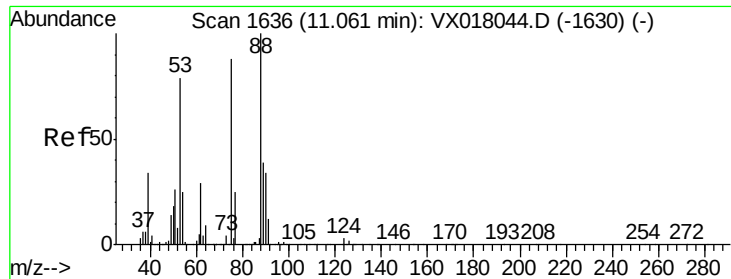
77 1.1 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.231 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018157.D

Acq: 31 Aug 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20200827

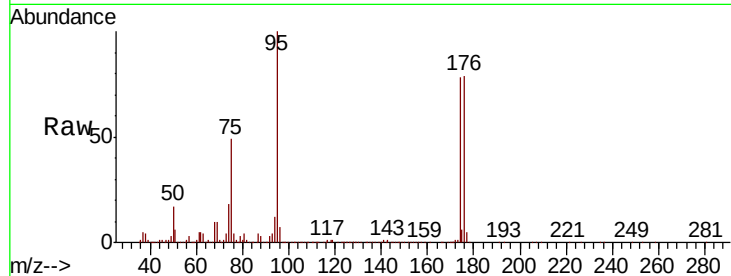
Tot Ion: 75 Resp: 164764

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

